PATENT COOPERATION TREATY

From the Japan Patent Office

(INTERNATIONAL SEARCHING AUTHORITY)

PCT

To: Agent of Applicant Hajime Takashima

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WRITTEN OPINION OF THE INTERNATIONAL

SEARCHING AUTHORITY (PCT Rule 43-2.1)

		Date of mailing (day/month/year	
Applicant's or agent's file reference	09604	For Further see paragn	Action aph 2 below
International application No. PCT/JP2004/000401	International filing date (day/month/year) 20.01.2004		Priority date (day/month/year) 21.01.2003
International Patent Classification (IPC) Applicant KURARAY CO., LT		1J31/22, C07C41/06, 43/	/15, C07B61/00

1.	This report contains indications relating to the following items:						
	☑ Box No. I Basis of the opinion						
	☐ Box No. II Priority						
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				lity		
	☐ Box No. IV Lack of unity of invention						
	ĭ Box No. V	Box No. V Reasoned statement under Rule 43-2.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	☐ Box No. VI Certain documents cited						
	☐ Box No. VII Certain defects in the international application						
	☐ Box No. VIII Certain observations on the international application						
2.	Further Action						
	If a demand for international preliminary examination is made, this written opinion is the first drawn up by the International Preliminary Examining Authority (IPEA) except that this does not apply where the Applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.						
3. —	For further details, see	notes to Form PCT/ISA/220.					
Est	ablished this written op	inion 02.04.2004					
Naz	ne and mailing address		Authorized office	er	4G	9342	
Japan Patent Office (ISA/JP)			Examiner		L.,		
	4-3, Kasumi	gaseki 3-chome		Eiko SHIGETA			
Chiyoda-ku, Tokyo 100-8915 Japan Telephone No. 03-3581-1101				03-3581-1101 ex	ctension 34	ension 3416	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Intern. application No.PCT/JP2004/000401

I. Basis of the opinion							
 Unless otherwise indicated under this item, this written opinion was drawn up based on the language in which the international application was filed. 							
[] This written opinion is in the following language which is: The language of a translation furnished for the purposes of the international search (under Rule 12.3 and 23.1 (b)).							
2. With regard to any to the claimed inve	nucleotide and/or amino acid sequence disclosed in the international application and necessary ntion, this opinion has been established on the basis of						
a. type of material	a sequence listing table(s) related to the sequence listing						
b. format of material	on paper in electronic form						
	contained in the international application in written form filed together with the international application in computer readable form furnished subsequently to this Authority for the purposes of search						
been filed or furnish	ase that more than one version or copy of a sequence listing and/or table(s) relating thereto has led, the required statements that the information in the subsequent or additional copies is the application as filed or does not go beyond the application as filed, as appropriate, were						
4. Additional commen	ts:						
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Intern. application No.PCT/JP2004/000401

citations and explanations supporting such statement						
1. Statement						
Novelty (N)	Claims	9-22	YES			
	Claims	1-8	NO			
Inventive Step (IS)	Claims	9-22	YES			
	Claims	1-8	NO			
Industrial Applicability (IA)	Claims	1-22	YES			
	Claims		NO			

2. Citations and Explanations

Reference 1: US 5886211 A1

(Sagami Chemical Research Center) 1999.03.23

Claim 1 lacks novelty over Reference 1 cited in the International Search Report.

Reference 1 describes, at column 6, line 14 - column 7, line 55, a composition containing a palladium compound, a supporting ligand and a base, and recites isocyanides as the supporting ligand.

Claim 2 lacks novelty over Reference 1.

Reference 1 recites, at column 6, lines 14-62, a divalent palladium salt as the palladium compound.

Claim 3 lacks novelty over Reference 1.

Reference 1 recites, at column 7, lines 15-34, t-butylisocyanide as the isocyanides.

Claims 4, 5, 7 and 8 lack novelty over Reference 1.

In the invention described in Reference 1, too, the composition ratio of the isocyanides and the base relative to the palladium compound is considered to be of the same level as that in the present invention (column 6, line 14 - column 7, line 55).

Claim 6 lacks novelty over Reference 1.

In the invention described in Reference 1, too, similar bases as used in the present invention are used (column 7, lines 35-55).

Moreover, claims 1-8 lack inventive step over Reference 1.

Claims 9-22 have novelty and inventive step.

None of the references cited in the International Search Report describes or suggests a telomerization reaction of a conjugated diene compound and alcohols in the presence of the composition of claim 1 as a catalyst to give ethers.